|                 | Index of Claims |
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Application No.

10/644,029

Examiner

Jack Dinh

Applicant(s)

NAKAMURA ET AL.

Art Unit

2873

| 7 | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| <br>Z | Non-Elected  |
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| 1     | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|       |          |              |             |  |  |  |              | _              | _        | $\neg$          |          | laim    | 7        |          |          |          | _          | ate      |          | _        |                     | $\neg$   | 1 |              | aim      |  |                 |            | _        | Date     | _             | _               |          |          |
|-------|----------|--------------|-------------|--|--|--|--------------|----------------|----------|-----------------|----------|---------|----------|----------|----------|----------|------------|----------|----------|----------|---------------------|----------|---|--------------|----------|--|-----------------|------------|----------|----------|---------------|-----------------|----------|----------|
| Cla   | um.      | _            | _           |  | <u>ب</u>   | ate  | <del>.</del> | <del>-</del> 7 |          | $\dashv$        | ⊢        | 7       | +        | _        | _        | _        | -۲         | -ore     | т        | $\neg$   | $\neg$              | $\dashv$ |   | UIG          |          | _  | _               | _          | $\Box$   | 7416     | $\overline{}$ | _               | 一        | _        |
| Final | Original | 7/1/04       | 12/10/04    | 4/28/05  |  |  |              |                |          |                 | Final    | Caloino |          |          |          |          |            |          |          |          |                     |          |   | Final        | Original |  |                 |            |          |          |               |                 |          |          |
|       |          |              |             | ┪  | 寸  | ヿ  | ┪            | $\neg$         | ┪        | ┑               |          | 5       | ٦Ť       | ┪        | ┪        | 丁        | T          | ╗        |          | $\neg$   | 寸                   | ╗        |   |              | 101      | П  | П               |            |          |          |               | ヿ               | ヿ        | _        |
|       | -        |              | $\dashv$    | _  | -  | ┪  | ┪            | -1             | _        | ⊣               |          | 5       |          | ┪        | ┪        | 7        | 7          | ヿ        | ┪        | 7        | 7                   | ┪        |   |              | 102      | ╗  | 7               |            |          |          |               | ┪               | ヿ        | _        |
|       | 1        | $\dashv$     |             |  | 一  | $\dashv$   | ᅥ            | 一              | -1       | ᅥ               |          | 5       |          | 7        | ┪        | 7        | ┪          | ┪        | 寸        | 7        | 7                   | ┑        |   |              | 103      |  |                 |            | Г        |          |               | ヿ               | ヿ        | _        |
|       | <b>-</b> |              | ᅱ           | -  | ᅱ  | ᅱ  |              | -              | -1       | ᅥ               | -        | 5       |          | ┪        | +        | _        | 7          | -        | +        | +        | ╅                   | ᅥ        |   |              | 104      | $\dashv$   | _               | _          | Т        | Н        |               | ヿ               | ヿ        | _        |
|       |          | -            | -           |  | -  | -  | $\dashv$     | $\neg \dagger$ | ᅥ        | -               | <b> </b> | 5       |          | +        | ┪        | ┪        | -          | 7        | +        | ┪        | +                   | $\dashv$ |   |              | 105      | $\neg$   | $\dashv$        | $\neg$     | ┢        | Н        |               | -               | 7        | _        |
|       |          | $\dashv$     | -           | $\dashv$   |  | $\dashv$   | $\dashv$     | ┥              | ┥        | $\dashv$        | ⊢        | 5       |          | +        | ┪        | +        | ┪          | ┪        | ┰        | ┪        | ┰                   | ᅥ        |   |              | 106      | _  | -               | -          | H        | Н        | $\neg$        | -               | ┪        | _        |
|       | -        | -            |             | $\dashv$   | -  | $\dashv$   | $\dashv$     | -              |          | $\dashv$        | -        | + 5     |          | ┥        | +        | +        | ┥          | -+       | -+       | -+       | -                   | ᅥ        |   |              | 107      | $\dashv$   | -               | -          | Н        |          | -             | $\dashv$        | ┪        | _        |
|       | +        | -            | _           | $\dashv$   | $\dashv$   |  | $\dashv$     | ┥              |          | $\dashv$        | -        | 5       | +        | +        | +        | ┪        | $\dashv$   | -+       | -+       | ┪        | ┪                   | ᅱ        |   | _            | 108      | -  | $\dashv$        | -          | -        | Н        | -             | -               | $\dashv$ | _        |
|       |          | Н            | _           |  | -1   | $\dashv$   |              | $\dashv$       | $\dashv$ | ᅱ               | $\vdash$ | 5       |          | +        | ┰        | ┥        | -          | $\dashv$ | ╅        | -+       | ┿                   | $\dashv$ |   |              | 109      | -  | ᅥ               | _          | ┢        | Н        | -             | $\dashv$        | ⇥        | _        |
|       |          | Щ            |             | 4  | 4  | $\dashv$   |              | -              | -        | 4               | - ├      | 6       |          | -        | $\dashv$ | -        | $\dashv$   | $\dashv$ | -        | $\dashv$ | +                   | ᅱ        |   |              | 110      | -  | -               | _          | ⊢        | Н        | Н             | $\dashv$        | ┥        | _        |
|       | 10       | Н            | _           | $\dashv$   | -  | $\dashv$   |              | $\dashv$       | $\dashv$ | -1              | $\vdash$ |         |          | $\dashv$ |          | -        | -          |          | -        | $\dashv$ | +                   | ᅱ        |   |              | 111      |  | $\dashv$        | _          | -        | Н        |               |                 | ┥        | _        |
|       | 11       | Ш            |             | <del>                                     </del> | _  | -  |              | _              | _        |                 | $\vdash$ | 6       |          |          | -        | }        | }          |          | -        | -        | -                   | 긕        |   | <del> </del> | 112      | -  |                 |            | $\vdash$ | Н        | $\vdash$      | $\dashv$        | ┥        | -        |
|       | 12       | Щ            | _           |  | 4  | $\square$  | $\Box$       |                | _        | 4               | $\vdash$ | 6       |          | -        | -1       |          | -          | -        | -        | -        | +                   | -        |   | <b></b> -    |          |  |                 | _          | $\vdash$ | Н        | $\vdash$      | -               |          | -        |
|       | 13       | Н            |             |  | -  | $\dashv$   | $\vdash$     |                | _        | 4               | <u> </u> | 6       |          | -        |          |          | -          | -        | -1       |          | -                   | $\dashv$ |   |              | 113      |  |                 |            | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$        | -        | _        |
|       | 111      | _و_          | <b>-</b>    | $\sqcup$   | _  | Щ  |              |                |          | _               | -        | 6       | 4        |          | -        | _        |            |          | -        | -4       | -                   | _        |   | <del></del>  | 114      |  |                 |            | ⊢        | Н        | $\vdash$      | ┝╼┥             | $\dashv$ | -        |
|       |          | Z'           |             | =  |  | Ш  | Ш            | $\dashv$       |          | _               | <b>—</b> | 6       |          | -        | -        |          |            |          |          | -        | -                   | $\dashv$ |   | ⊢            | 115      | _  | $\vdash$        |            | -        | H        |               | $\vdash \vdash$ |          | H        |
|       | 3        | 7            |             | <b> </b>   | _  | $\Box$   | Ш            | $\dashv$       | _        | ᅴ               | ļ        |         | 6        | _        | _        | _        | <u>_</u> ļ |          |          |          | $\dashv$            |          |   |              | 116      |  |                 |            | ⊢        | $\vdash$ | H             | ⊢⊢              | -4       | H        |
|       | X        | 4            | 4           | Ш  |  | Ш  | Ш            | Ш              | Ш        | ᆜ               | $\vdash$ | 6       |          | _        | _        | _        | _          | _        |          | _        | -                   |          |   |              | 117      |  | $\vdash \dashv$ | _          | $\vdash$ | $\vdash$ | -             | Н               | -        | H        |
|       | 18       | Ш            | 7           | Ш  |  |  |              | Ц              | $\Box$   |                 | $\vdash$ |         | 8        | _        | _        | _        | _          | _        | _        | 4        | -                   | 4        |   | Ь—           | 118      |  |                 |            | <u> </u> | <b>!</b> | <u> </u>      | Н               | $\dashv$ | H        |
|       | 29       |              | 7           | Ш  |  |  |              |                |          | _               | <u> </u> |         | 9        | _        | _        | _        | _          | _        | _        | _        | _                   | 4        |   | Ь            | 119      |  |                 |            | <u> </u> | -        |               |                 | _        | <u> </u> |
|       | 20       |              |             | 0  |  |  |              |                |          |                 |          |         | 0        |          | _        | _        |            | _        | _        | _        | _                   | _        |   | <u> </u>     | 120      |  |                 | _          | <u> </u> | L        |               | Щ               | _        | L        |
|       | 31-      |              |             | 7  |  |  |              |                |          | $\Box$          | L        | 7       | 1        | _        | _        | _        |            | _        | _        | _        | 4                   | _        |   |              | 121      |  |                 |            | ㄴ        | L        | Ш             | Н               | _        | L        |
|       | 22       |              |             | 8  |  |  |              |                |          |                 | L        |         | 2        |          | _        | _        |            |          | _        | _        | _                   | _        |   | <u></u>      | 122      |  |                 |            | <u> </u> | 乚        |               | Щ               | _        | L        |
|       | 23       |              |             | 0  |  |  |              |                |          |                 | Ĺ        |         | 3        | _        | _        | _        |            |          | _        | _        |                     | ᆜ        |   | L            | 123      |  |                 |            | <u> </u> | ┖        | Ш             | Ц               | _        | L        |
|       | 24       |              |             | 0  |  |  |              |                |          |                 |          | 7       | 4        |          |          |          |            |          | _        | _        |                     | _        |   |              | 124      |  |                 |            | ╙        | ┖        |               | Ш               |          | L        |
|       | 25       |              |             | 7  |  |  |              |                |          |                 |          | 7       | 5        | 1        | l        | _        |            |          | [        |          | ${oldsymbol{\bot}}$ |          |   |              | 125      |  |                 |            | 乚        | ┖        | L             |                 | $\Box$   | L        |
|       | 26       |              |             | =  |  |  |              |                |          |                 |          | -7      | 6        |          |          |          |            |          |          |          |                     | _        |   |              | 126      |  |                 |            | L        | ┖        | L             |                 | _        | L        |
|       | 27       |              |             | 0  |  |  |              |                |          |                 |          | 7       | 7        |          |          |          |            |          |          |          |                     |          |   | L            | 127      |  |                 |            | L        |          |               |                 |          | L        |
|       | 28       |              |             | П  |  |  |              |                |          |                 |          | 7       | 8        | П        |          |          |            |          |          |          |                     |          |   |              | 128      |  |                 |            |          |          |               |                 |          | L        |
|       | 29       |              |             | П  | _  | -  |              |                |          |                 |          | 7       | 9        |          |          |          |            |          |          |          |                     |          |   |              | 129      |  |                 |            |          |          |               |                 |          |          |
|       | 30       | _            | ┢           | П  |  |  |              |                |          |                 |          |         | οĪ       | T        | $\neg$   |          |            |          | ╗        |          | П                   |          |   |              | 130      |  |                 |            |          |          |               |                 |          |          |
|       | 31       | Т            |             | П  |  | 7  |              |                |          | $\Box$          |          | 8       | 1        |          |          |          |            |          | П        |          | ╗                   |          |   |              | 131      |  |                 |            |          |          |               |                 |          |          |
|       | 32       | Г            | Ι-          | Н  |  | П  | П            | П              | П        | $\sqcap$        |          |         | 2        | .        |          | $\neg$   |            |          |          |          |                     |          |   |              | 132      |  |                 |            |          |          |               |                 |          | Ĺ        |
|       | 33       | Г            | Т           | П  | М  | М  | М            | П              | П        | T               |          |         | 3        | ┪        | ┪        | $\neg$   |            | $\Box$   |          |          | $\Box$              | $\neg$   |   |              | 133      |  |                 |            |          | Г        |               | П               |          | Γ        |
|       | 34       | $\vdash$     | Н           | Н  | Н  | П  | Н            | Н              |          | $\neg$          |          | 18      | 4        | $\neg$   | 一        |          |            | П        | 一        |          | $\Box$              | $\neg$   |   |              | 134      |  |                 |            |          |          |               |                 |          | Г        |
|       | 35       | Т            | Ι           | М  | Н  | П  | Н            | П              | П        | Н               |          |         | 5        | $\neg$   | $\neg$   | _        | П          | П        | 一        |          | $\Box$              |          |   |              | 135      |  |                 |            |          | Г        | Г             | П               |          | Г        |
|       | 36       | 一            | <del></del> | Н  | H  | Н  |              | H              | Н        | Н               |          |         | 6        | _        | $\dashv$ |          | П          |          | $\dashv$ |          |                     |          |   |              | 136      | Г  |                 |            |          | $\top$   | Г             | П               | $\Box$   | Γ        |
|       | 37       | $\vdash$     | $\vdash$    | $\vdash$   | Н  | Н  | _            | Н              | Н        | $\dashv$        | -        |         | 7        | -        |          |          |            |          |          |          | $\neg$              |          |   |              | 137      |  |                 | Г          |          | T        | Ι_            | П               | П        | Γ        |
|       | 38       | <del> </del> | -           |  | Н  | <del>                                     </del> |              | Н              | $\vdash$ | Н               | <b>—</b> |         | 8        | -        | $\neg$   |          | П          | Н        |          | $\neg$   | -1                  |          |   |              | 138      | Т  |                 | Г          | 1        | T        | -             | П               | П        | Γ        |
|       | 39       | ┢            | 1           | $\vdash$   | Н  | $\vdash$   | $\vdash$     | $\vdash$       | -        | Н               | <b>—</b> |         | <u>5</u> | $\dashv$ | $\dashv$ | $\neg$   | $\vdash$   |          | $\dashv$ | $\neg$   | $\neg$              | $\dashv$ | l |              | 139      | $\vdash$   | М               | Т          | 1        | 1        | 1             | П               | П        | ٢        |
|       | 40       | ⊢            | $\vdash$    | $\vdash$   |  | $\vdash$   |              | $\vdash$       | H        | $\dashv$        | -        |         | 0        | $\dashv$ | $\dashv$ | $\vdash$ | Н          |          | Н        | -        | $\dashv$            | $\neg$   |   |              | 140      | $\vdash$   | П               | Т          | T        | T        | $\vdash$      | П               | $\vdash$ | Γ        |
|       | 41       | $\vdash$     | $\vdash$    | 1  | $\vdash$   | $\vdash$   | -            | $\vdash$       | $\vdash$ | Н               | $\vdash$ | + 6     | 1        | $\dashv$ |          | -        | Н          | Н        | $\dashv$ | $\dashv$ | $\dashv$            | $\dashv$ |   | <b>—</b>     | 141      | Η-   |                 | Т          | $\vdash$ | $\vdash$ | $\vdash$      | Н               | П        | ۲        |
|       | 41       | ⊢            | ⊢           | H  | -  | -  | Н            | ├-             | -        | Н               | -        | + 7     | 2        | $\dashv$ | -        | ⊣        | H          | Н        | $\dashv$ | $\dashv$ | $\vdash$            | Н        |   | $\vdash$     | 142      | $\vdash$   |                 | Η-         | +        | +-       | 1             | $\vdash$        | Н        | H        |
|       | 43       | ⊢            | $\vdash$    | -  | <del>                                     </del> | -  | $\vdash$     | $\vdash$       | ┢─       | ⊢┤              | -        |         | 3        | $\dashv$ | $\dashv$ | -        | Н          | Н        | $\vdash$ | $\dashv$ |                     | $\vdash$ | l |              | 143      | Н  | $\vdash$        | ┢          | t        | +        | 1             | Н               | П        | ۲        |
|       | 44       | ⊢            | ⊢           | -  | ┝  | $\vdash$   | $\vdash$     | -              | $\vdash$ | Н               | $\vdash$ |         | 4        | $\dashv$ | $\dashv$ | Н        | Н          | Н        | $\vdash$ | $\dashv$ | -                   | Н        | l | <b>—</b>     | 144      | Н  | Н               | Н          | T        | +        | ┢             | 1               | М        | t        |
|       |          | ₩            | ⊢           | $\vdash$   | <b>—</b>   | ├-   | ⊢            | -              | -        | $\vdash \vdash$ |          |         | 5        |          | -        | $\vdash$ | $\vdash$   | Н        | Н        | -        | $\vdash$            | $\vdash$ |   | $\vdash$     | 145      | <del>                                     </del> | $\vdash$        | ⊢          | +        | $\vdash$ | +-            | Н               | Н        | H        |
|       | 45       |              |             | $\vdash$   | $\vdash$   | ⊢  | 1-           | H              | -        | Н               | -        |         |          | -        | Н        | H        | $\vdash$   | Н        | $\vdash$ | -        | $\vdash$            | Н        | l | <del></del>  | 146      | $\vdash$   | $\vdash$        | ├-         | +-       | +-       | $\vdash$      | $\vdash$        | Н        | H        |
|       | 46       | ١            | <b>!</b>    | <b> </b>   | <u> </u>   | <b> </b>   | 1—           | $\vdash$       | $\vdash$ | Ы               | <u> </u> | +       | 6        |          | H        | Н        | $\vdash$   | Н        | _        | _        | $\vdash$            | Н        | l | $\vdash$     | 140      | ├  | ⊢               | $\vdash$   | ╀        | +        | +             | -               | H        | H        |
|       | 47       | ┡            | <u> </u>    | <b>⊢</b>   | _  | ⊢  | ⊢            | ⊢              | ╙        | Щ               | $\vdash$ |         | 7        | $\dashv$ | Н        | -        | $\vdash$   | Н        | Н        |          | $\vdash$            | Н        | l | <b> </b>     | 147      | ⊢  | ├-              | <b> </b> - | ╁        | ╁        | ╀             | $\vdash$        | $\vdash$ | H        |
|       | 48       | ↓_           | <b> </b>    | $\vdash$   | <b> </b>   | ┞-   | ┞            | $\vdash$       | ـ        | Щ               | <br>     |         | 8        |          | Ш        | Н        | $\vdash$   | $\vdash$ | Н        | -        | Н                   |          |   | <u> </u>     | 148      | $\vdash$   | ├-              | ⊢          | ╀        | ╁        | ╌             | ⊢               | ⊢        | ╀        |
|       | 49       | Ļ            | ╙           | <b>⊢</b>   | _  | ┞  | 느            | Ь              | <b>!</b> | Щ               |          |         | 9        | Щ        | Ш        |          | -          |          | Ш        |          | Ы                   | Ш        |   | -            | 149      | ⊢  | ⊢               | ₩-         | +        | +        | ╄-            |                 | ⊢        | ╀        |
| _     | 50       | L            | L_          | L  | ட  | L.,  | Ц_           |                | <u> </u> | L               | └        | 1       | 00       | لــــا   | لـــا    | لسا      |            | ட        | Ш        |          | لــا                |          | J | L            | 150      | <b>L</b> _                                       | ┖-              | Ц_         | ┸_       | _        | Ц_            | Ц.              |          | L        |